

Work Order ID 56675

Page 1

March 4, 2010 11:27:24 AM

Item ID: D412-742-013

Accept



Setup Start



Revision ID:

Item Name: Float Skidtube Installation

Stop



Start Date: 3/12/10 Start Qty: 1.00



Cust Item ID:

Required Date: 3/15/10 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr	Revision Nbr
IIN D412-742	D

100



DOCUMENT CONTROL

DC

Document Control

Memo

0.00

for CL 10/04/22

8/10/04/27

110



Pick Kit

Packaging

Packaging

Memo

0.00

0.00

10/04/22 C

120



QC4- 100% Inspect kits for completeness

QC

Quality Control

Memo

0.00

0.00

S 10/04/27



Work Order ID 56675

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March 4, 2010 11:27:30 AM

Item ID: D412-742-013

Accept



Setup Start



Revision ID:

Item Name: Float Skidtube Installation

Stop



Start Date: 3/12/10 Start Qty: 1.00



Cust Item ID:

Required Date: 3/15/10 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start



QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

Sequence ID/
Work Center ID

130

Operation
Description

Packaging

Packaging

Packaging

140



QC21- Final Inspection - Work Order Release

0.00

QC

Quality Control

Memo

0.00

Identify and pack for shipping as per PPP D412-742-013
Location: W

10-4-27-56

MF

10-4-27

Picklist Print

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Work Order ID: 56675



Parent Item: D412-742-013



Parent Item Name: Float Skidtube Installation

Start Date: 3/12/10

Required Date: 3/15/10

Comments:

IPP Rev: A 05.10.13 New Issue KJ/JLM
IPP Rev:B 06-06-08 As per DSI9336 JLM IPP RevC 07-12-03 ECN
1072 DD verified by:JLM
IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC

Start Qty: 1.00

Required Qty: 1.00

AN4C7A



Bolt

Purchased No

110

Each

431.0000

4.0000



D412-742-043



Replacement Float Skidtube

D2571



Saddle, Fwd Out 205

Manufactured No

109147

110

Each

0.0000

1.0000



M109147

BS6672

Sif

3/10/10/2010

Warehouse

Location

Main Warehouse

ST

Loc Qty

Loc Code

431

431

D2571

Manufactured No

110

Each

22.0000

1.0000



Warehouse

Location

Main Warehouse

ST

Loc Qty

Loc Code

14

54929



Saddle, Fwd Out 205



54929



54929



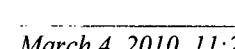
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Work Order ID: 56675



Parent Item: D412-742-013



Parent Item Name: Float Skidtube Installation

Start Date: 3/12/10

Required Date: 3/15/10

Comments: IPP Rev: A 05.10.13 New Issue KJ/JLM

Start Qty: 1.00

IPP Rev:B 06-06-08 As per DSI9336 JLM IPP RevC 07-12-03 ECN

1072 DD verified by:JLM

IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC

D2572



Saddle, Fwd In 205

Manufactured	No	110	Each	12.0000	1.0000
--------------	----	-----	------	---------	--------



S7617

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Main Warehouse

ST	12	
----	----	--

43565	3	
-------	---	--

52908	9	
-------	---	--

Manufactured	No	110	Each	25.0000	1.0000
--------------	----	-----	------	---------	--------



S7617

D2573



Saddle, Aft Out 205

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Main Warehouse

ST	11	
----	----	--

43566	3	
-------	---	--

44206	1	
-------	---	--

47566	7	
-------	---	--

Main Warehouse

ST434	14	
-------	----	--

52328	6	
-------	---	--

52911	8	
-------	---	--

S2911

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Work Order ID: 56675



Parent Item: D412-742-013



Parent Item Name: Float Skidtube Installation

Start Date: 3/12/10

Required Date: 3/15/10

Comments: IPP Rev: A 05.10.13 New Issue KJ/JLM

Start Qty: 1.00

Required Qty: 1.00

IPP Rev: B 06-06-08 As per DSI9336 JLM IPP RevC 07-12-03 ECN
1072 DD verified by:JLM
IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC

D2574



Saddle, Aft In 205

Manufactured No

110

Each

18.0000

1.0000



[Signature]

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST

2

43567

2

Main Warehouse

ST434

16

53463

8

56398

8

Manufactured No

110

Each

149.0000

2.0000



5638

C 1/4/sr

D2876



Saddle Spacer

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST028

102

42364

102

42367

Main Warehouse

ST051

47

51540

47

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Work Order ID: 56675



Parent Item: D412-742-013



Parent Item Name: Float Skidtube Installation

Start Date: 3/12/10

Required Date: 3/15/10

Comments: IPP Rev: A 05.10.13 New Issue KJ/JLM

Start Qty: 1.00

Required Qty: 1.00

IPP Rev:B 06-06-08 As per DSI9336 JLM IPP RevC 07-12-03 ECN

1072 DD verified by:JLM

IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC

D2877

Manufactured No

110

Each

80.0000

2.0000



Saddle Spacer

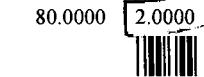
[Signature]

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST028	80	
46518	1	
47292	42	
51541	37	



D3403-1

Manufactured No

110

Each

45.0000

16.0000



Bushing

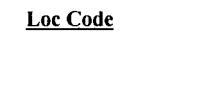
10/14/22 6

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST	18	
54237	5	
56387	13	



Main Warehouse

ST55	27	
56387	27	



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Work Order ID: 56675



Parent Item: D412-742-013



Parent Item Name: Float Skidtube Installation

Start Date: 3/12/10

Required Date: 3/15/10

Comments: IPP Rev: A□05.10.13□New Issue□ KJ/JLM□

Start Qty: 1.00

IPP Rev:B 06-06-08 As per DSI9336 JLM IPP RevC 07-12-03 ECN

1072 DD verified by:JLM

IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC

D2747



Set Screw

Manufactured No

110

Each

229.0000

4.0000



<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST023	229	
39224	4	
43855	25	
51921	200	

Manufactured No

110

Each

168.0000

2.0000



51921

D3533-1



Set Screw

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST	168	
51602	168	

51602

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 56675



Parent Item: D412-742-013



Parent Item Name: Float Skidtube Installation

Start Date: 3/12/10

Required Date: 3/15/10

Comments: IPP Rev: A 05.10.13 New Issue KJ/JLM

Start Qty: 1.00

Required Qty: 1.00

IPP Rev:B 06-06-08 As per DS19336 JLM IPP RevC 07-12-03 ECN

1072 DD verified by:JLM

IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC

AN4C6A



Purchased

No

110

Each

611.0000

16.0000

Bolt

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

OFFSHORE

FG

4

103344

4

Main Warehouse

ST

607

111295

0

112759

25

112794

82

113121

500

1112797

AN4C52A



BOLT

Purchased

No

110

Each

184.0000

8.0000

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST

184

103914

19

112543

15

112641

50

113121

100

112543

1113121

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 56675



Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 3/12/10

Required Date: 3/15/10

Comments: IPP Rev: A 05.10.13 New Issue KJ/JLM

Start Qty: 1.00

Required Qty: 1.00

IPP Rev:B 06-06-08 As per DSI9336 JLM IPP RevC 07-12-03 ECN
1072 DD verified by:JLM
IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC

AN6C12A

Purchased No

110

Each

99.0000

8.0000

BOLT



<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST

99

104289

1

110396

98

M110396

Manufactured No

110

Each

524.0000

32.0000



Phenolic Washer



01/4/22

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST117

24

51596

24

Main Warehouse

ST77

500

55560

500

55560

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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March 4, 2010 11:24:42 AM

Work Order ID: 56675



Parent Item: D412-742-013



Parent Item Name: Float Skidtube Installation

Start Date: 3/12/10

Required Date: 3/15/10

Comments: IPP Rev: A 05.10.13 New Issue KJ/JLM

Start Qty: 1.00

Required Qty: 1.00

IPP Rev:B 06-06-08 As per DSI9336 JLM IPP RevC 07-12-03 ECN
1072 DD verified by:JLM
IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC

AN960C416L

Purchased No

110 Each

1,314.000 32.0000

WASHER



<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

OFFSHORE

FG 44

104925 44

Main Warehouse

ST 1270

111916 2

112612 368

112794 500

112828 400

h

D3672-9

Manufactured No

110 Each

491.0000 8.0000

Phenolic Washer



<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST 491

35523 491

July/12 ①

35523

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 4, 2010 11:24:47 AM

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Work Order ID: 56675



Parent Item: D412-742-013



Parent Item Name: Float Skidtube Installation

Start Date: 3/12/10

Required Date: 3/15/10

Comments:

IPP Rev: A 05.10.13 New Issue KJ/JLM
IPP Rev:B 06-06-08 As per DSI9336 JLM IPP RevC 07-12-03 ECN
1072 DD verified by:JLM
IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC

Start Qty: 1.00

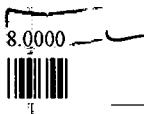
Required Qty: 1.00

AN960C616L



WASHER

Purchased No 110 Each 250.0000 8.0000



<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST	250
111424	50
113064	200

M111424

D3672-11



Phenolic Washer

Manufactured No 110 Each 39.0000 16.0000



<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST	39
35524	39

35524

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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10

Work Order ID: 56675



Parent Item: D412-742-013



Parent Item Name: Float Skidtube Installation

Start Date: 3/12/10

Required Date: 3/15/10

Comments: IPP Rev: A 05.10.13 New Issue KJ/JLM

Start Qty: 1.00

IPP Rev:B 06-06-08 As per DS19336 JLM IPP RevC 07-12-03 ECN

1072 DD verified by:JLM

IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC

MS21043-4

Purchased No

110 Each

374.0000 29.0000

Nut



<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

<u>Location</u>

OFFSHORE

FG	40
----	----

104603	40
--------	----

Main Warehouse

ST	334
----	-----

112314	100
--------	-----

112492	11
--------	----

113064	223
--------	-----

1113064

D3403-3

Manufactured No

110 Each

24.0000 8.0000

Bushing



<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

<u>Location</u>

Main Warehouse

ST	24
----	----

52900	24
-------	----

52900

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Work Order ID: 56675



Parent Item: D412-742-013



Parent Item Name: Float Skidtube Installation

Start Date: 3/12/10

Required Date: 3/15/10

Comments:

IPP Rev: A 05.10.13 New Issue KJ/JLM
IPP Rev:B 06-06-08 As per DSI9336 JLM IPP RevC 07-12-03 ECN
1072 DD verified by:JLM
IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC

Start Qty: 1.00

Required Qty: 1.00

D3405-041



Lug Assembly

Manufactured	No	110	Each	17.0000	1.0000
--------------	----	-----	------	---------	--------

*C*

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

<u>Location</u>

Main Warehouse

ST	17
----	----

53887	17
-------	----

110	Each
-----	------

8.0000	1.0000
--------	--------

53887

D3405-043



Lug Assembly

Manufactured	No	110	Each	8.0000	1.0000
--------------	----	-----	------	--------	--------

*C 10/4/22*

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

<u>Location</u>

Main Warehouse

ST	8
----	---

46589	1
-------	---

46863	1
-------	---

52324	1
-------	---

53888	5
-------	---

53888

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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12

Work Order ID: 56675



Parent Item: D412-742-013



Parent Item Name: Float Skidtube Installation

Start Date: 3/12/10

Required Date: 3/15/10

Comments:

IPP Rev: A 05.10.13 New Issue KJ/JLM
IPP Rev:B 06-06-08 As per DS19336 JLM IPP RevC 07-12-03 ECN
1072 DD verified by:JLM
IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC

Start Qty: 1.00

Required Qty: 1.00

AN4C47A



Purchased No

110 Each 110.0000 4.0000

Bolt

[Signature]

D3407-041



Tow Ring

Manufactured No

110 Each 12.0000 1.0000

[Signature]

m113302

56F33

Per 14/12/08

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST	110	
112489	2	
112816	3	
113164	5	
113302	100	

Warehouse Loc Qty Loc Code

Location

OFFSHORE

FG	3	
35780	3	

Main Warehouse

ST	3	
48356	1	
50755	2	

Main Warehouse

ST464	6	
55032	6	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 29 13

March 4, 2010 11:24:59 AM

Work Order ID: 56675



Parent Item: D412-742-013



Parent Item Name: Float Skidtube Installation

Start Date: 3/12/10

Required Date: 3/15/10

Comments:

IPP Rev: A 05.10.13 New Issue KJ/JLM
IPP Rev:B 06-06-08 As per DSI9336 JLM IPP RevC 07-12-03 ECN
1072 DD verified by:JLM
IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC

Start Qty: 1.00

Required Qty: 1.00

D3417-3

Manufactured No

110

Each

105.0000

2.0000

Washer

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		

Main Warehouse

ST	105	
42176	2	
44349	22	
51648	28	
53182	53	

44349

D3456-1

Manufactured No

110

Each

172.0000

1.0000

Washer

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		

Main Warehouse

ST	172	
51653	4	
54692	168	

51663

AN3C37A

Purchased No

110

Each

84.0000

1.0000

S BOLT

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		

Main Warehouse

ST	84	
112454	84	

M112454

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 30

March 4, 2010 11:24:59 AM

Work Order ID: 56675



Parent Item: D412-742-013



Parent Item Name: Float Skidtube Installation

Start Date: 3/12/10

Required Date: 3/15/10

Comments: IPP Rev: A 05.10.13 New Issue KJ/JLM

Start Qty: 1.00

Required Qty: 1.00

IPP Rev:B 06-06-08 As per DSI9336 JLM IPP RevC 07-12-03 ECN

1072 DD verified by:JLM

IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC

AN3C40A

Purchased No

110

Each

84.0000

1.0000

BOLT



<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST	84
----	----

106176	34
--------	----

112454	50
--------	----

106176

AN3C41A

Purchased No

110

Each

138.0000

1.0000

BOLT



<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

OFFSHORE

FG	4
----	---

103324	4
--------	---

Main Warehouse

ST	134
----	-----

112431	34
--------	----

112829	100
--------	-----

112431

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 31/5

March 4, 2010 11:25:04 AM

Work Order ID: 56675



Parent Item: D412-742-013



Parent Item Name: Float Skidtube Installation

Start Date: 3/12/10

Required Date: 3/15/10

Comments:

IPP Rev: A 05.10.13 New Issue KJ/JLM
IPP Rev:B 06-06-08 As per DSI9336 JLM IPP RevC 07-12-03 ECN
1072 DD verified by:JLM
IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC

Start Qty: 1.00

Required Qty: 1.00

AN3C42A

Purchased

No

110

Each

132.0000 1.0000



BOLT



✓

L

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Main Warehouse

ST	132	
106169	32	
106176	100	

M106169

AN3C43A

Purchased

No

110

Each

45.0000 4.0000



BOLT



✓

R 10/8/12

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Main Warehouse

ST	45	
106227	2	
106228	35	
107457	8	

M107457

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10/04/27		Install Workplates per DST9517.011	JD	10/04/27	1	10/04/27	10/04/27
			SA	10/04/27			10/04/27

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 4, 2010 11:25:05 AM

Page 32 16

Work Order ID: 56675



Parent Item: D412-742-013



Parent Item Name: Float Skidtube Installation

Start Date: 3/12/10

Required Date: 3/15/10

Comments: IPP Rev: A 05.10.13 New Issue KJ/JLM

Start Qty: 1.00

IPP Rev:B 06-06-08 As per DS19336 JLM IPP RevC 07-12-03 ECN

Required Qty: 1.00

1072 DD verified by:JLM

IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC

AN3C46A

Purchased

No

110

Each

79.0000

5.0000

BOLT



<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

Main Warehouse

ST

79

106169

5

106176

9

113164

22

113302

43

M113164

AN960C10L Q5.017

Purchased

No

110

Each

388.0000

26.0000

washer



M114371

10/17/21

N05147 CO 332R

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
------------------	----------------	-----------------

Location

OFFSHORE

FG

100

103585

100

Main Warehouse

ST

288

112116

128

112612

160

Picklist Print

March 4, 2010 11:25:10 AM

Page 33 17

Work Order ID: 56675



Parent Item: D412-742-013



Parent Item Name: Float Skidtube Installation

Start Date: 3/12/10

Required Date: 3/15/10

Comments:

IPP Rev: A 05.10.13 New Issue KJ/JLM
IPP Rev:B 06-06-08 As per DSI9336 JLM IPP RevC 07-12-03 ECN
1072 DD verified by:JLM
IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC

Start Qty: 1.00

Required Qty: 1.00

MS21043-3



Nut

Purchased	No	110	Each	4,196.000	13.0000
-----------	----	-----	------	-----------	---------



10/6/12 (L)

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
OFFSHORE		
FG	80	
103691	80	
Main Warehouse		
ST	4116	
111819	70	
112243	29	
112314	4017	1112316

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

Item	Qty -013-	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043	FLOAT SKIDTUBE
		1	D3391-043	412 FLOAT SKIDTUBE
1	*24	*AN3C4A	*BOLT	
3	*12	*AN3C6A	*BOLT	
4	*8	*AN3C7A	*BOLT	
5	*44	*AN960C10L	*WASHER	
21A	*1	*D3564-1	*WEARSHOE (REPLACES D3460-1)	
21B	*1	*D3566-1	*GASKET	
22A	*1	*D3564-3	*WEARSHOE (REPLACES D3460-3)	
22B	*1	*D3566-1	*GASKET	
23A	*1	*D3564-5	*WEARSHOE (REPLACES D2577-5)	
23B	*1	*D3566-5	*GASKET	
10	*1	*D3391-021	*412 FORWARD TUBE	
11	**1	**D3401-041	**TOW CAP	
12A	**10	**AEELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)	
12B	**2	**AEELS-1032-130	**INSERT (REPLACES NAS1330S3KB166)	
13	**10	**AN3C4A	**BOLT	
14A	**4	**D3672-1	**WASHER (REPLACES NAS1515H3L)	
14B	**10	**AN960C10L	**WASHER	
24A	**1	**D3564-13	**WEARSHOE	
24B	**1	**D3566-13	**GASKET	
20	*1	*D3391-023	*412 MID TUBE	
28	**20	**AEELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)	
30	*1	*D3391-025	*412 AFT TUBE	
25A	**1	*D3537-1	**WEARPAD	
25B	**1	*D3553-1	**GASKET	
26A	**1	*D3537-7	**WEARPAD	
26B	**1	*D3553-3	**GASKET	
31	**1	**D2646	**AFT CAP	
32	**14	**AEELS-1032-130	**INSERT	
36	**12	**AEELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)	
37A	**6	**AN3C4A	**BOLT	
37B	**4	**AN3C5A	**BOLT	
38A	**2	**D3672-1	**WASHER (REPLACES NAS1515H3L)	
38B	**10	**AN960C10L	**WASHER	

(CONTINUED ON PAGE 19)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

REFERENCE ONLY

DART AEROSPACE USA, INC.

IN-D412-742

Page 19 of 20

(CONTINUED FROM PAGE 18)

Item	Qty -013	Qty -043	Part Number	Description
40	1		D2571	SADDLE, FWD OUTSIDE
41	1		D2572	SADDLE, FWD INSIDE
42	1		D2573	SADDLE, AFT OUTSIDE
43	1		D2574	SADDLE, AFT INSIDE
44	2		D2876	SADDLE SPACER
45	2		D2877	SADDLE SPACER
46	16		D3403-1	BUSHING
47A	4		D2747	SET SCREW
47B	2		D3533-1	SET SCREW
48	16		AN4C6A	BOLT
49	8		AN4C52A	BOLT
50	8		AN6C12A	BOLT
51A	32		D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32		AN960C416L	WASHER
52A	8		D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8		AN960C616L	WASHER
53	16		D3672-11	WASHER (REPLACES NAS1515H7L)
54	24		MS21043-4	NUT
55	4		ANC47A	BOLT
60	8		D3403-3	BUSHING
61	1		D3405-041	GHW LUG
62	1		D3405-043	GHW LUG
63	4		AN4C46A	BOLT DS1
64	4		MS21043-4	NUT
70	11		D3407-041	TOW RING
71	2		D3417-3	WASHER
72	1		MS21043-4	NUT
73	1		D3456-1	WASHER
91	1		AN3C37A	BOLT
92	1		AN3C40A	BOLT
93	1		AN3C41A	BOLT
94	1		AN3C42A	BOLT
95	4		AN3C43A	BOLT
97	5		AN3C46A	BOLT
99	26		AN960C10L	WASHER
100	13		MS21043-3	NUT

*DENOTES PART IS INCLUDED WITH D3391-043 ASSEMBLY ABOVE

**DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

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Revision: D
 Date: 07.10.04

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. D AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 3.

REF. FAA STC: SR01583SE

REF. CANADIAN STC: SH05-37

REF. EASA STC: EASA.I.M.R.S.01126

REFERENCE ONLY

INSTRUCTIONS:

1) FOR D412-742-011/013 SKIDTUBES @ CHANGE 006 AND SUBSEQUENT, UPDATE THE PARTS LIST TO MODIFY THE BOLT USED TO ATTACH THE GHW LUG AS FOLLOWS:

5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

32.15 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

ITEM	Qty -011	Qty -041	Qty -015	PART NUMBER	DESCRIPTION
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION
	1	X		D412-742-041	FLOAT SKIDTUBE
	1		X	D412-742-015	ELECTRIC STEP KIT

IS:

65	4		AN4C47A	BOLT
----	---	--	---------	------

WAS:

63	4		AN4C46A	BOLT
----	---	--	---------	------

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

32.16 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

ITEM	Qty -013	Qty 043	PART NUMBER	DESCRIPTION
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043	FLOAT SKIDTUBE

IS:

63	4	AN4C47A	BOLT
----	---	---------	------

WAS:

63	4	AN4C46A	BOLT
----	---	---------	------

A	NEW ISSUE		AJS	08.12.19
REV.	DESCRIPTION			BY
DESIGN	AJS	DART AEROSPACE USA, INC PORT HADLOCK, WA		
DRAWN	AJS			
CHECKED		DRAWING NO. DSI 9441		
MFG. APPR.	N/A			
APPROVED	<i>AM</i>	REV. A SHEET 1 OF 1		
DE APPR.	<i>CH</i>			
DATE	08.12.19		SCALE	NTS
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries